

# GEOGRAPHY

## PAPER 1

### (THEORY)

(Maximum Marks: 70)

(Time allowed: Three hours)

(Candidates are allowed additional 15 minutes for *only* reading the paper.

They must NOT start writing during this time.)

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Answer **Sections A and B** from **Part I** which are compulsory.

Answer any **four** questions from **Part II**.

Sketch maps and diagrams should be drawn wherever they serve to illustrate your answer.

The intended marks for questions or parts of questions are given in brackets [ ].

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### PART I (30 Marks)

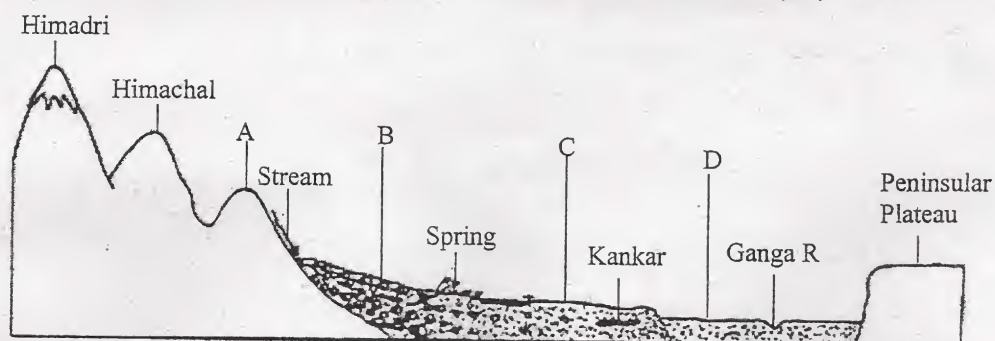
Answer **all** questions.

#### SECTION A

#### Question 1

[10 × 2]

- (i) Give two reasons to explain why India is considered to be a subcontinent.
- (ii) The figure below represents a topographic section from the Himalayas to the Peninsular region. Identify *any two* of the features marked A, B, C and D.



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This Paper consists of 6 printed pages and a map.

- (iii) With reference to river Godavari, name the following:
- (a) The State where it *originates*.
  - (b) The State where it forms its *delta*.
- (iv) What is *urban forestry*? Mention *any two* of its objectives.
- (v) State *two* reasons to explain why irrigation is necessary in India.
- (vi) Briefly explain *any two* problems caused by Green Revolution with respect to Indian agriculture.
- (vii) State *any two* important aspects of *environmental management*.
- (viii) Mention *two* ways in which *hydroelectric power* is better than *nuclear power*.
- (ix) Give *two* advantages of transportation by *roadways*.
- (x) Mention *two* major challenges faced by the tourism industry in India today.

## SECTION B

### Question 2

[10]

On the outline map of India provided:

- (a) Mark and name the *southernmost point* of the Indian mainland.
- (b) Mark and name the *highest peak* of the trans-Himalayas.
- (c) Mark and name the *Vindhyas*.
- (d) Mark and name the *Chota Nagpur Plateau*.
- (e) Print HP over an area experiencing *high pressure* during the *winter season*.
- (f) Trace the course and label river *Kaveri*.
- (g) With the help of an arrow show the direction and name the wind that brings rainfall over the *Gangetic Plains* during the *monsoon season*.
- (h) Shade and name the State with the *highest rural population*.
- (i) Mark and name the State which has the *highest sex ratio*.
- (j) Locate and label the *southernmost port city* in the *West Coast*.

**Note:** All the map work, including legend (Index) should be done on the map sheet only.



## PART II (40 Marks)

Answer any four questions.

### Question 3

- (a) Give *three* differences between the *Western* and the *Eastern Himalayas*. [3]
- (b) Explain the following: [2]
- (i) The Himalayan rivers are typical examples of *antecedent drainage*.
- (ii) Jaisalmer receives very less rainfall annually.
- (c) Study the climatic data provided in the table below for a city A in India and answer the questions that follow: [2]

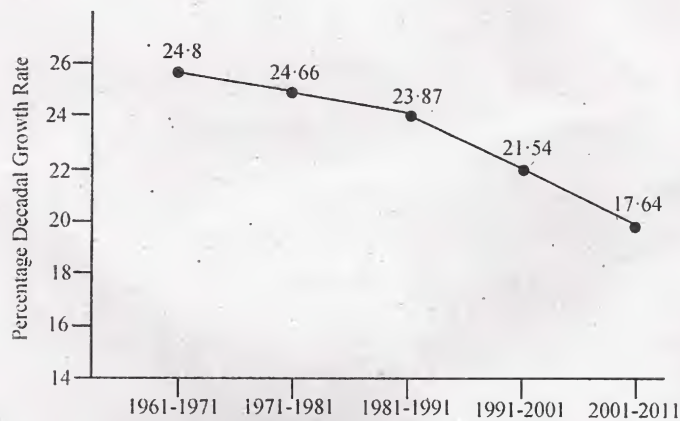
City	T/R	J	F	M	A	M	J	J	A	S	O	N	D
A	T	-8	-3	2	7	15	18	17	12	10	5	0	-7
	R	10	8	8	5	5	5	13	13	8	5	0	5

- (i) What is the cause of low rainfall in station A?
- (ii) Calculate the range of temperature of this station.
- (d) (i) State how rainfall and temperature influence the vegetation type in India. [2]
- (ii) Why are *tropical evergreen forests* not very important economically? [1]

### Question 4

- (a) Why is the *dependency ratio* higher in rural areas than in urban areas? State two reasons. [2]
- (b) Distinguish between *metropolis* and *megalopolis*. [2]
- (c) With reference to the *linear rural settlement pattern*, answer the following: [2]
- (i) How does this pattern develop?
- (ii) Name *any two* areas where this pattern is found in India.
- (d) Define *density of population*. What is India's density of population as per the 2011 census? [2]

- (e) The graph below shows the percentage decadal growth rate of India for a period from 1971 to 2011. [2]



- (i) What is the unique characteristic of growth during this period?
- (ii) Explain the reason causing this uniqueness.

#### Question 5

- (a) Mention *any two* drawbacks of *land-use pattern* in India. Suggest any one measure to improve it. [3]
- (b) (i) What is *fallow land*? [1]
- (ii) Suggest *two* farming practices which will help to reduce the extent of fallow land. [2]
- (c) Mention *two* reasons why the *modern methods of irrigation* are preferred over *traditional methods of irrigation*, in India. [2]
- (d) State *two* dangers of *overwatering*. [2]

#### Question 6

- (a) (i) What is *intensity of cropping*? [2]
- (ii) Explain why there is a variation of cropping intensity in Punjab and Rajasthan.
- (b) (i) Name the largest cotton producing State in India. [1]
- (ii) What are the *geographical conditions* required for the growth of cotton? [2]
- (c) What are the *three advantages* that Japan has over India with respect to *marine fishing*? [3]



- (d) Name the largest producing State for each of the following minerals and also, give one use of each of these minerals: [2]
- (i) Manganese
  - (ii) Mica

**Question 7**

- (a) State *any two* advantages of railways in India. [2]
- (b) With reference to the *Jawaharlal Nehru Port*, state the following: [3]
- (i) Its *hinterland*.
  - (ii) Two items of *export*.
  - (iii) Two items of *import*.
- (c) (i) Name the city which has the *oldest artificial harbour* on the east coast of India. [1]
- (ii) State *two* geographical problems faced by this harbour. [2]
- (d) State *any two* ways in which cinema can be considered as powerful means of mass communication. [2]

**Question 8**

- (a) Mention *any three* factors that determine the location of an industry. [3]
- (b) (i) What are *industrial clusters*? [1]
- (ii) Identify *one* industrial cluster from Northern India. State *two* reasons for its growth. [2]
- (c) Explain the following: [2]
- (i) Weight losing raw material.
  - (ii) Integrated steel plant.
- (d) State *any two* negative impacts of tourism on the environment. [2]

### Question 9

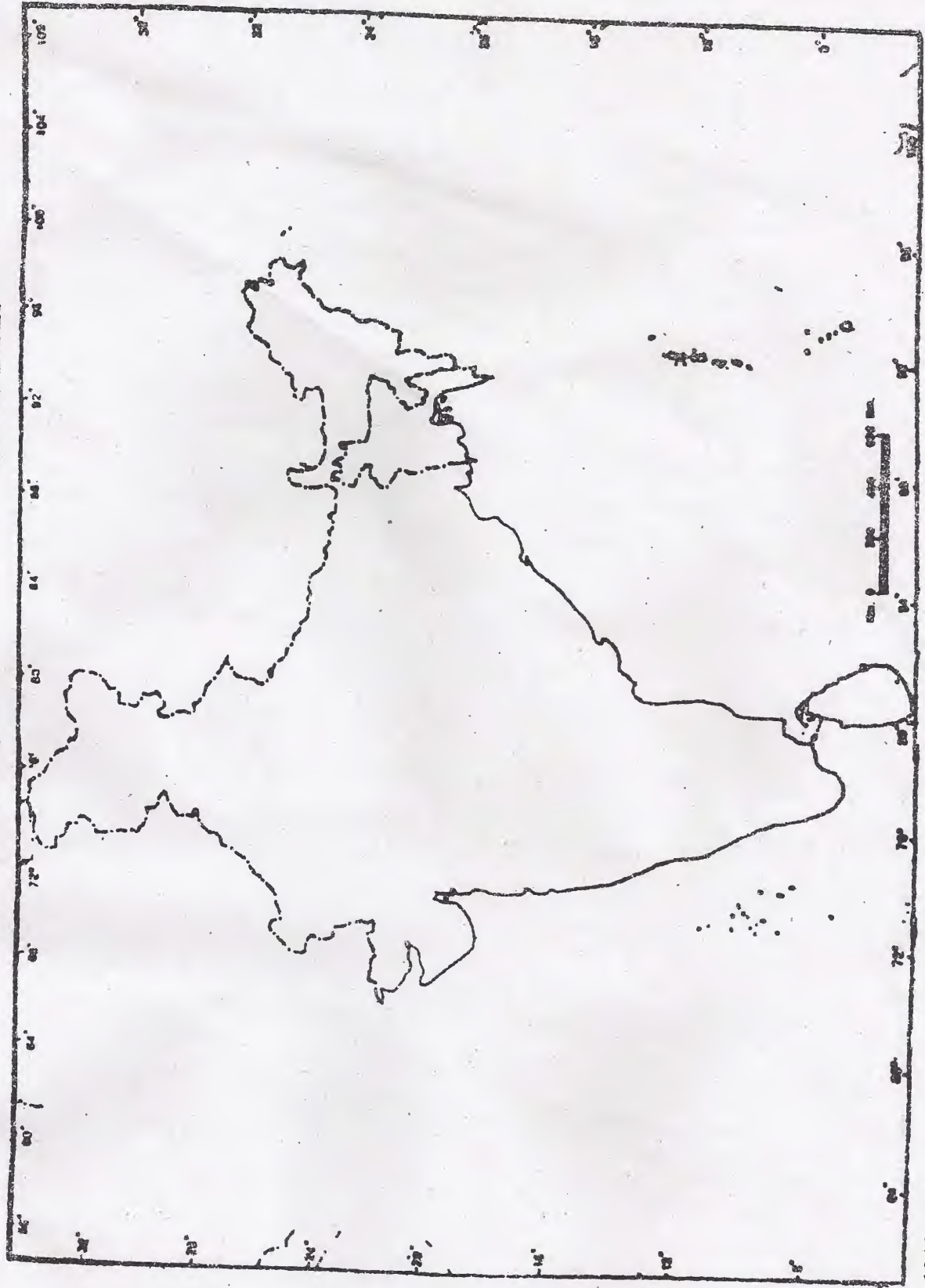
- (a) What is meant by *development*? What is the *geographer's perspective* to development? [2]
- (b) Apart from the Central Level Planning, what are the other levels in the *multi-level planning*? [2]
- (c) With reference to *Haldia Port*, answer the following questions: [3]
- (i) Location of the port
  - (ii) Hinterland
  - (iii) Reason for its development
- (d) With reference to mining in Chattisgarh, name the following: [3]
- (i) The largest coal field.
  - (ii) The largest iron-ore mine.
  - (iii) A bauxite mining centre.

UNIQUE IDENTIFICATION NO..... INDEX NO.....

(This map must be fastened with all other answers)

MAP FOR Q. No.2

MAP OF INDIA



1218-853A